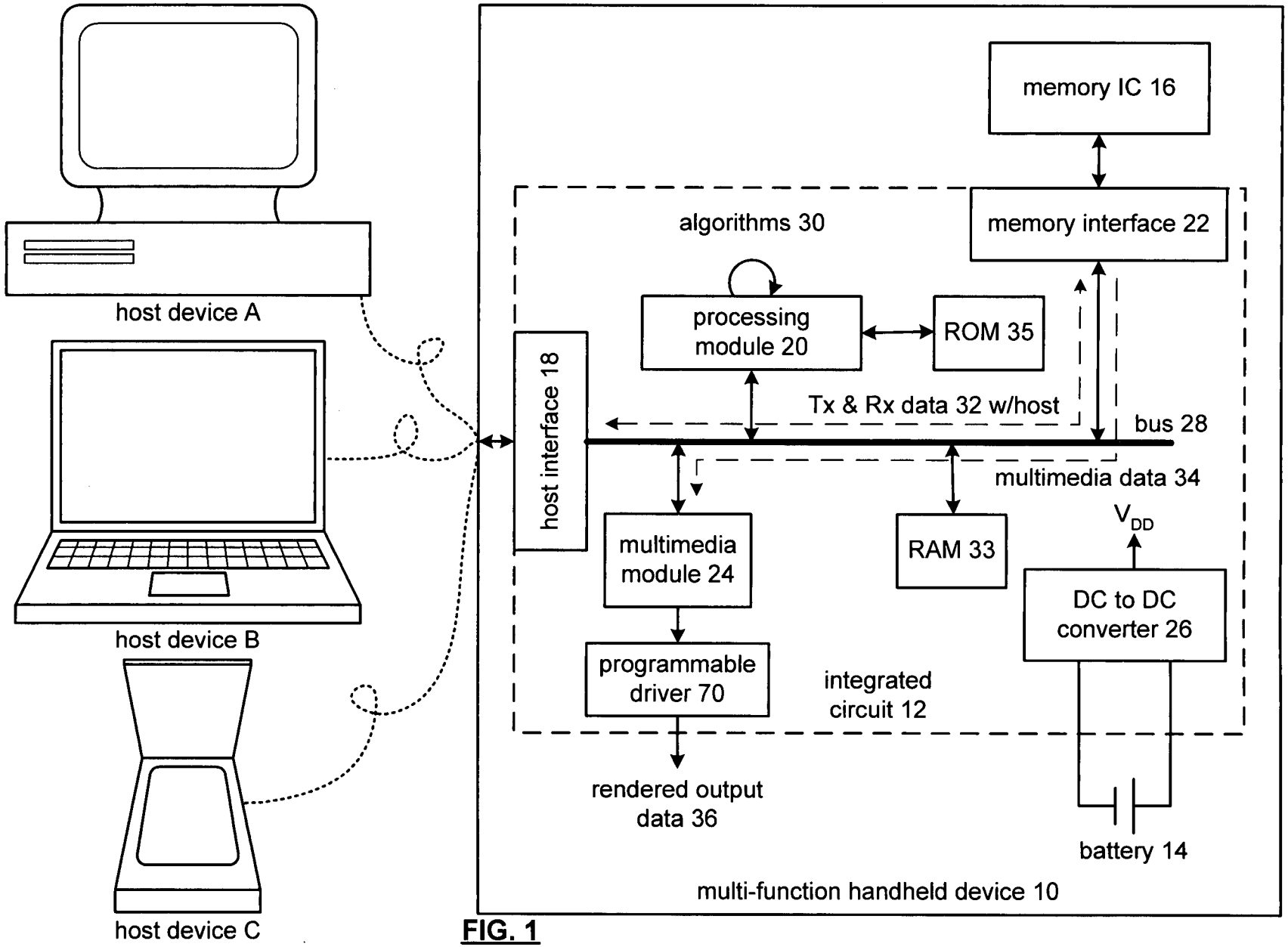
host device A
host device B
host device C
memory IC 16
algorithms 30
memory interface 22
processing module 20
ROM 35
host interface 18
Tx & Rx data 32 w/host
bus 28
multimedia data 34
multimedia module 24
RAM 33
V_{DD}
DC to DC converter 26
programmable driver 70
integrated circuit 12
rendered output data 36
battery 14
multi-function handheld device 10

FIG. 1

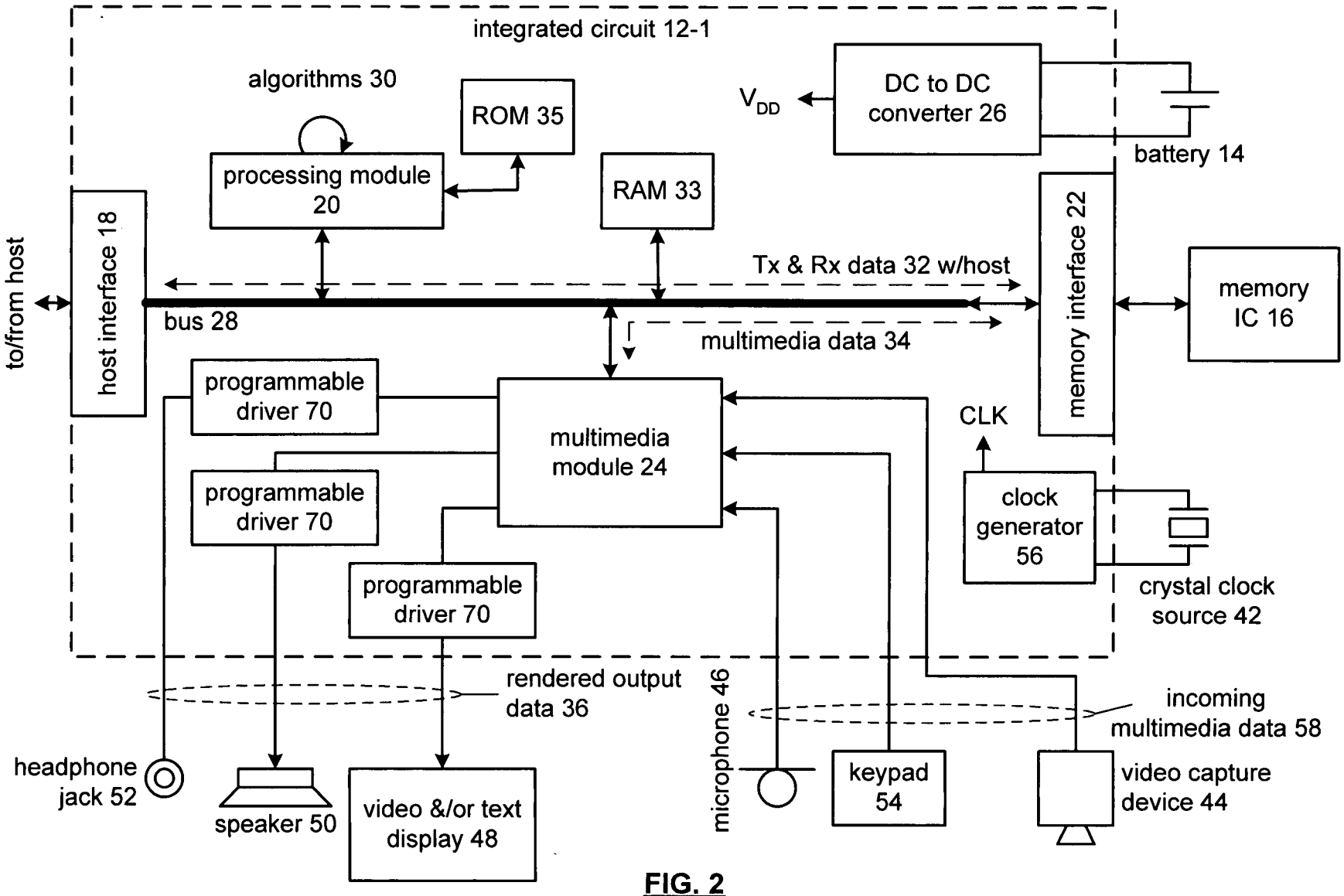

FIG. 2

multi-function handheld device 40

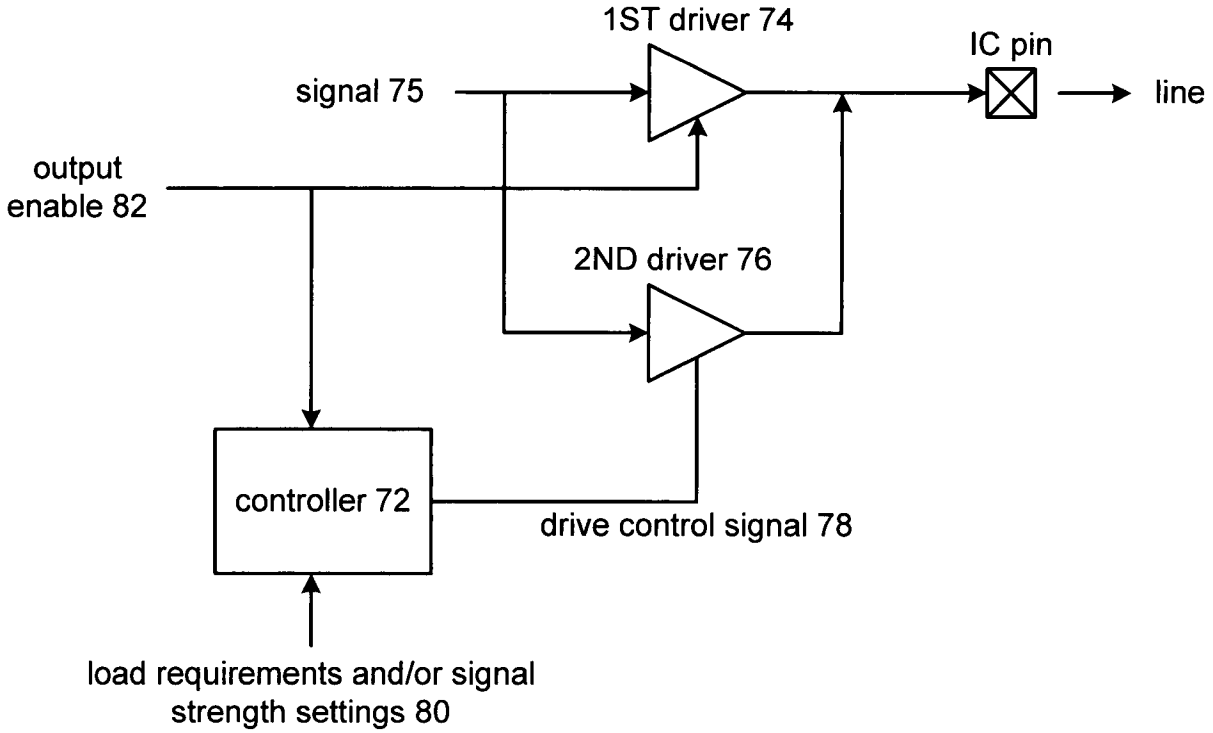

FIG. 3
programmable driver 70

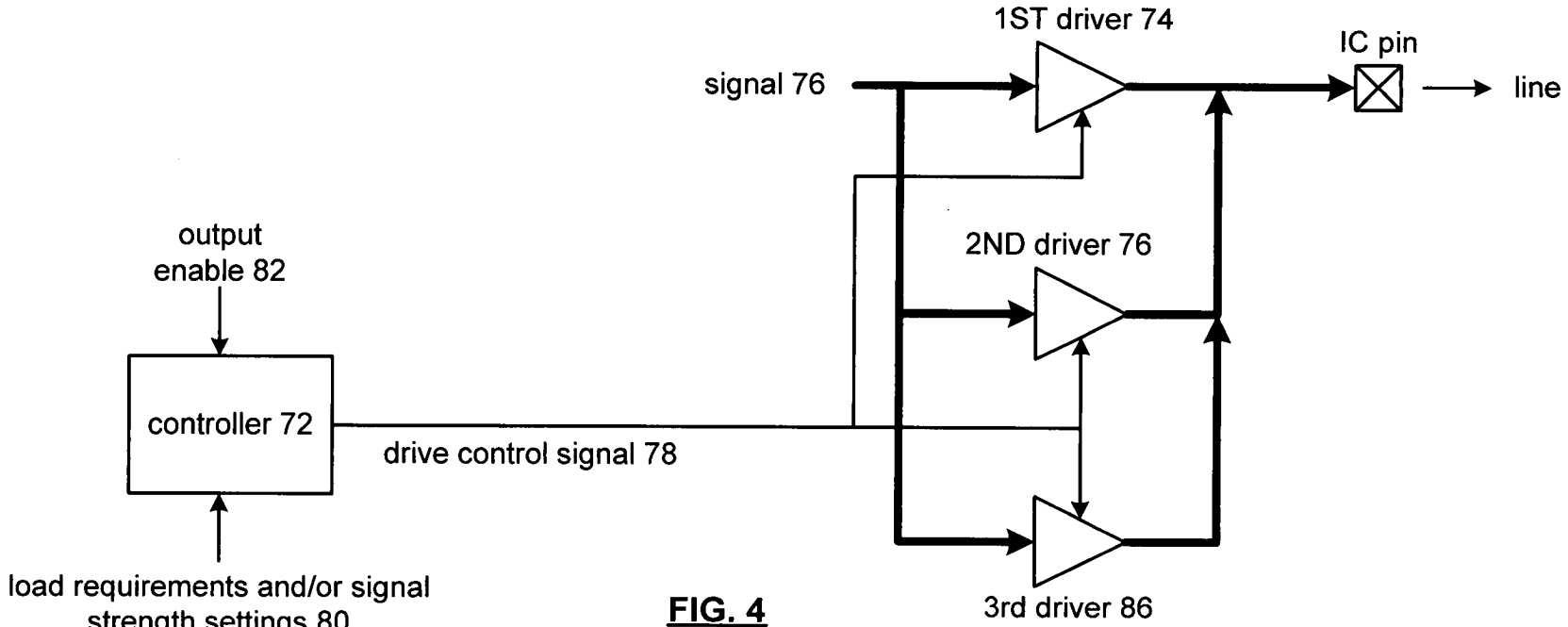

FIG. 4
programmable driver 70

desired drive level	0ff	1	2	3	4	5	6	7
driver 74	0	1	0	1	0	1	0	1
driver 76	0	0	1	1	0	0	1	1
driver 86	0	0	0	0	1	1	1	1

FIG. 5
exampl of programming driver 70, where driver 86 provides 2X drive strength of driver 76, which provides 2X drive strength of driver 74